

Semantically enriching and reconstructing the cadastral map of the Netherlands – an LADM approach

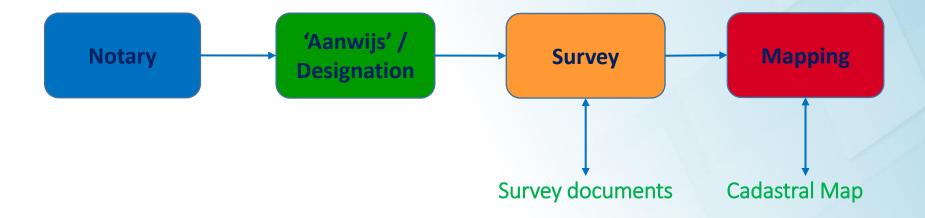
Pieter Soffers and Eric Hagemans

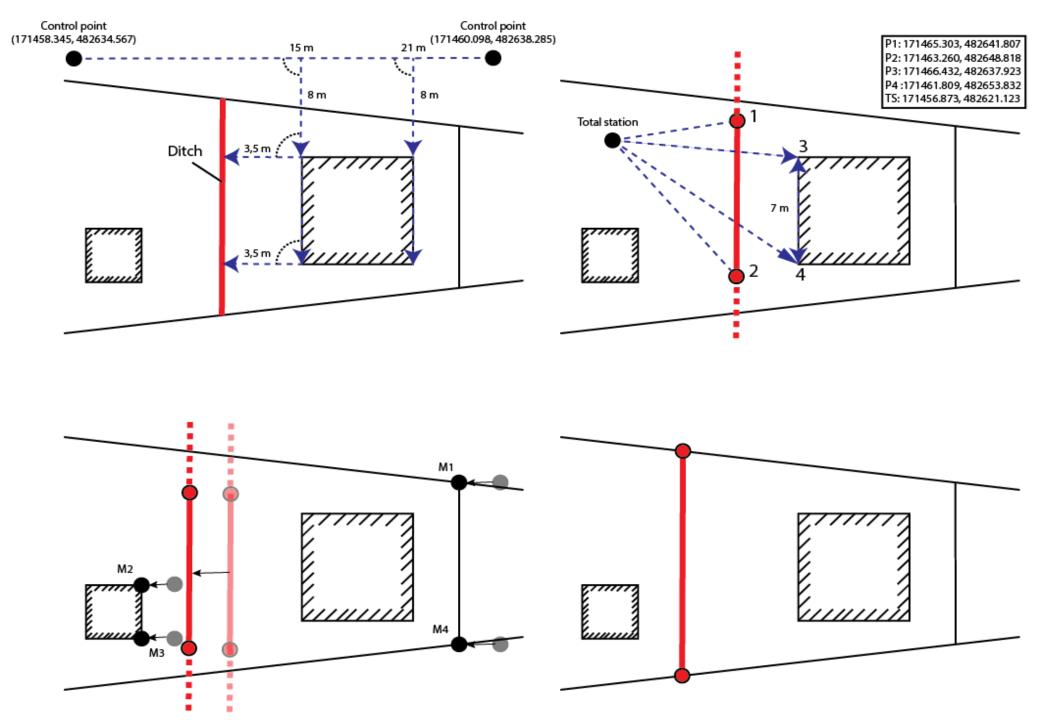
#### The Dutch Cadastre



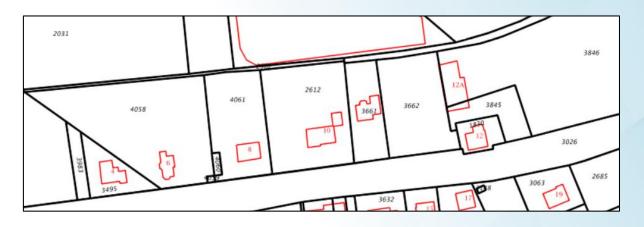
- Land registration
- Survey department

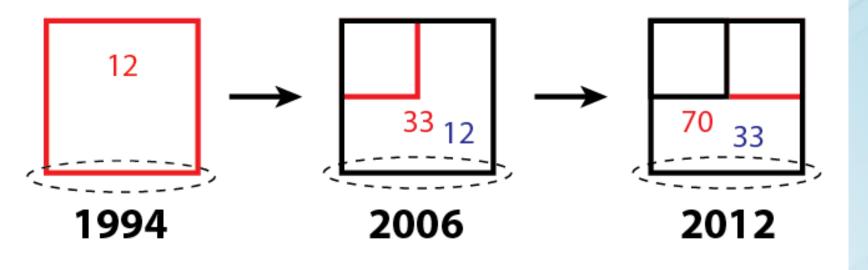
#### Workflow





#### The Dutch cadastral map





#### The cadastral map improvement program

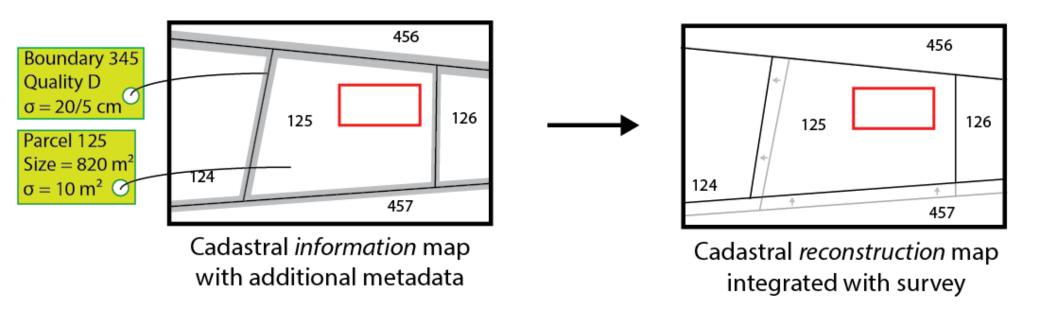
#### Motivation:

- The cadastral map have to be more than just a visualization
- Better understanding and use of the cadastral map

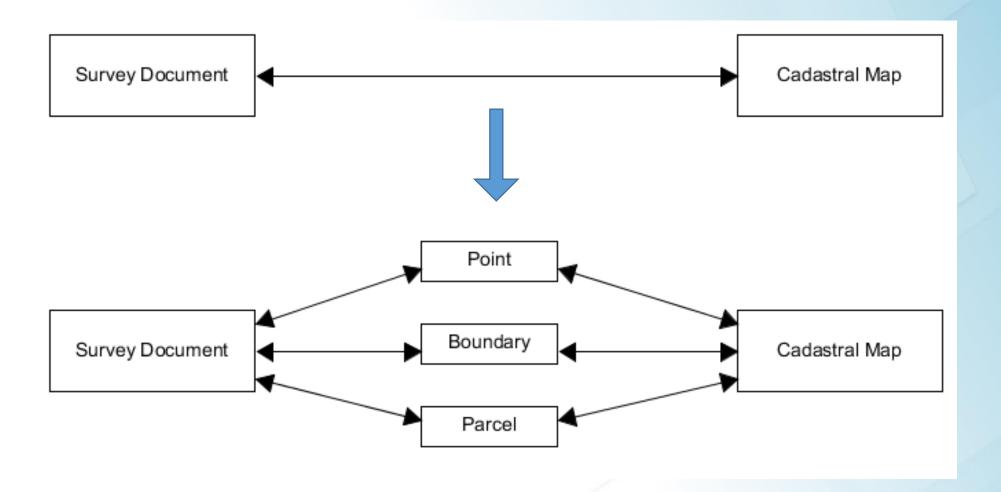
#### Goals:

- Quality description and metadata of each boundary
- Geometrical correct location of a boundary

### The cadastral map improvement program



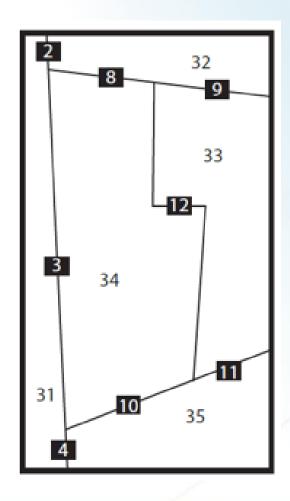
## Terrestric registration



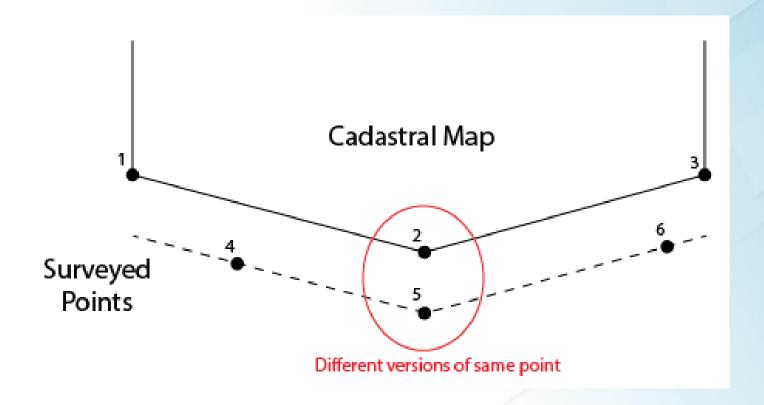
A direct connection between objects and survey documents.



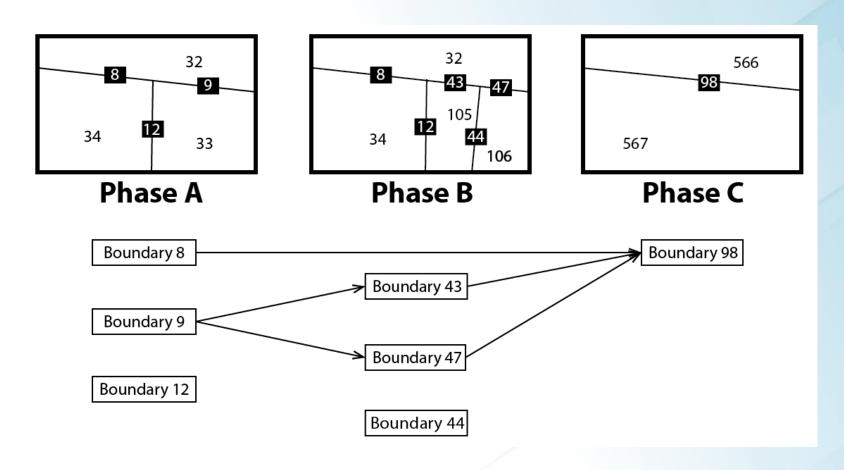
Boundaries should be considered as own entities.



Points should be considered as own entities.



The data model should incorporate a history model.

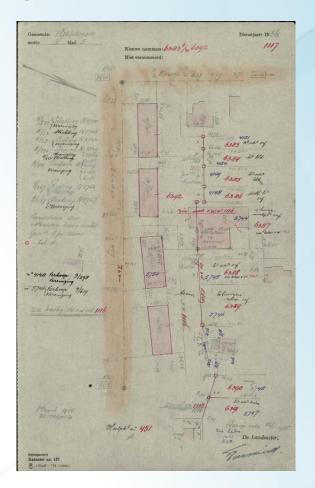


All survey methods should be incorporated in the data model.

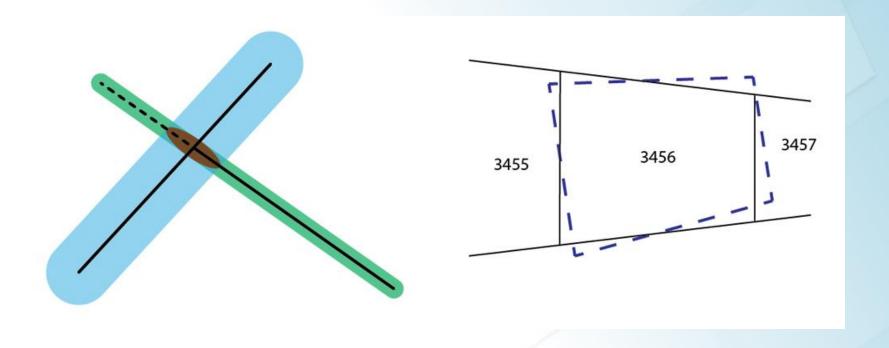


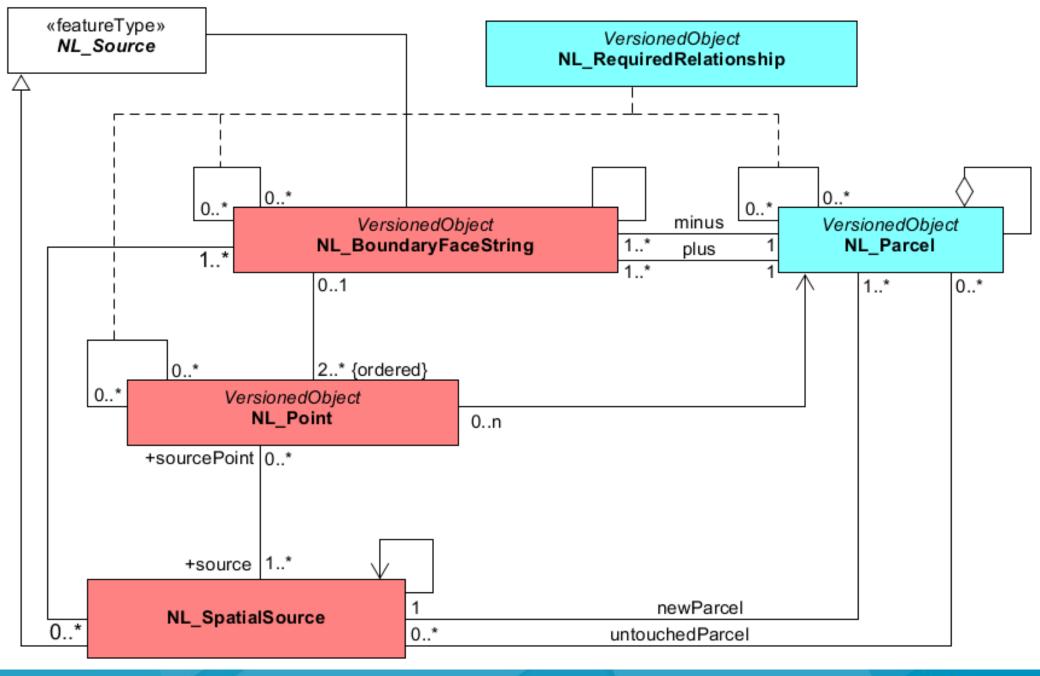
#### All document formats should be incorporated in the data model

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The data model should facilitate quality descriptions per object





# Thank you for your attention!

Hvala na pozornosti!